FÖRM PTO-14 (MODIFIED)	49	U.S. DEPARTMENT O PATENT AND TRADE	F COMMERCE MARK OFFICE	ATTY, DOCKET NO. K-C 1348:	5.1	SERIAL NO.		
- [PRIOR ART CITED BY APPLICAN (Use several sheets if necessary)	Τ .	APPLICANT(S) Joseph Daniel COENEN et al.				
				FILING DATE		GROUP		
		U.S.	. PATENT D	OCUMENTS				
*EXAMINEI	R	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D	
87	AA	4,837,715	06/1989	Ungpiyakul et al.	364	552		
	AB	4,940,464	07/1990	Van Gompel et al.	604	396		
	AC	5,046,272	09/1991	Vogt et al.	38	143		
	AD	5,104,116	04/1992	Pohjola	271	185		
	AE	5,224,405	07/1993	Pohjola	83	24		
	AF	5,235,515	08/1993	Ungpiyakul et al.	364	469		
	AG	5,359,525	10/1994	Weyenberg	364	469		
	АН	2,682,909	07/1954	Claff et al.	154	_1.7		
	Al	2,990,173	06/1961	Melville	270	52		
	, AJ	3,004,880	10/1961	Lord	156	64		
1	AK	3,127,292	03/1964	Early	156	64		
		FOREI	GN PATEN	T DOCUMENTS				
		DOĆUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	
			-				YES	NO
	AL	009 739	04/1980	EPO	B65C	3/16		
	AM	011 967	06/1980	EPO	B65C	9/42		
	AN	58 201611	11/1983	Japan	B29C	27/00		
	AO	58220039	12/1983	Japan (Abstract)	B65H	25/24		
	AP	1 158 537	12/1983	Canada	B65B	41/18	L	
		OTHER PRIOR ART (II	ncluding Autho	or, Title, Date, Pertinent F	Pages, Etc.)	·· ····		
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FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF PATENT AND TRADEM		ATTY. DOCKET NO. K-C 1348:	5.1	SERIAL NO.			
- LIS	- LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)			APPLICANT(S) Joseph Daniel COENEN et al.					
				FILING DATE		GROUP	- United		
		U.S.	PATENT D	OCUMENTS					
*EXAMINER INIT <u>IA</u> L		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D		
SP	AA	3,276,183	10/1966	Carlisle, Jr., et al.	53	51			
	AB	3,294,301	12/1966	Richter	226	27		·	
	AC	3,326,436	06/1967	Huck	226	25	<u> </u>		
	AD	3,559,568	02/1971	Stanley	101	32	·		
	ΑE	3,589,095	06/1971	James et al.	53	51			
	AF	3,762,125	10/1973	Prena	53	51			
	AG	3,806,390	04/1974	Balk et al.	156	229	 	· <u>-</u>	
	ΑН	3,811,987	05/1974	Wilkinson et al.	156	497			
	Αl	3,887,419	06/1975	Geschwender	156	197			
	AJ	3,978,637	09/1976	Mauriello	53	28	_		
V	AK	4,007,866	02/1977	Traise	226	31			
		FOREIC	ON PATENT	T DOCUMENTS	,				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION	
<i>(</i> 100)		DOCOMIENT NOMBER	- CATE	00011111	1 00,100		YES	NO	
8 <u>/</u>	AL	2 559 037	02/1984	France	A41B	13/02		<u> </u>	
	АМ	1 163 548	03/1984	Canada	B65B	41/18			
	AN	148 115	11/1984	France	A41B	13/02			
	AO	2 170 486	08/1986	United Kingdom	B65H	39/16			
V	AP	63-5927	01/1988	Japan	29C	65/48	<u> </u>		
		OTHER PRIOR ART (In	cluding Autho	or, Tille, Date, Perlinent I	Pages, Etc.)				
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APPLICANTS Joseph Daniel COENEN et al.	(MODIFIED) PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. K-C 1348	5.1	SERIAL NO.			
U.S. PATENT DOCUMENTS			r						
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AA			U.S.	PATENT D	OCUMENTS			c	
AB 4,070,226 01/1978 Crathern et al. 156 364 AC 4,129,238 12/1978 Herd 226 29 AD 4,135,664 01/1979 Resh 235 475 AE 4,239,570 12/1980 Kerwin 156 163 AF 4,248,655 02/1981 Kerwin 156 351 AG 4,254,173 03/1981 Peer, Jr. 428 204 AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO 90/11887 10/1990 PCT B33F 1/20 AN 2,016,529 11/1990 Canada B32B 3/00 AN 90/11886 10/1990 PCT B31F 1/20 AR OTHER PRIOR ART (Including Author, Tille, Oste, Pertinent Pages, Etc.)			DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		
AC 4,129,238 12/1978 Herd 226 29 AD 4,135,664 01/1979 Resh 235 475 AE 4,239,570 12/1980 Kerwin 156 163 AF 4,248,655 02/1981 Kerwin 156 351 AG 4,254,173 03/1981 Peer, Jr. 428 204 AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO AL 88/03089 05/1988 PCT B33B 31/18 AM 1,253,062 04/1989 Canada B32B 3/00 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Oste, Pertinent Pages, Etc.)	8	AA	4,018,028	04/1977	Donnet	53	51		
AD 4,135,664 01/1979 Resh 235 475 AE 4,239,570 12/1980 Kerwin 156 163 AF 4,248,655 02/1981 Kerwin 156 351 AG 4,254,173 03/1981 Peer, Jr. 428 204 AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 31/08 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		AB	4,070,226	01/1978	Crathern et al.	156	364	ļ	
AE 4,239,570 12/1980 Kerwin 156 163 AF 4,248,655 02/1981 Kerwin 156 351 AG 4,254,173 03/1981 Peer, Jr. 428 204 AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		AC	4,129,238	12/1978	Herd	226	29		
AF 4,248,655 02/1981 Kerwin 156 351 AG 4,254,173 03/1981 Peer, Jr. 428 204 AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		AD	4,135,664	01/1979	Resh	235	475		
AG 4,254,173 03/1981 Peer, Jr. 428 204 AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)		ΑE	4,239,570	12/1980	Kerwin	156	163		
AH 4,295,912 10/1981 Burns 156 324 AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Perlinent Pages, Etc.)		AF	4,248,655	02/1981	Kerwin	156	351		
AI 4,315,508 02/1982 Bolick 128 289 AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		AG	4,254,173	03/1981	Peer, Jr.	428	204		
AJ 4,316,566 02/1982 Arleth et al. 226 2 AK 4,322,026 03/1982 Young, Jr. 226 15 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		АН	4,295,912	10/1981	Burns	156	324		
AK		Al	4,315,508	02/1982	Bolick	128	289		
DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO		/ AJ	4,316,566	02/1982	Arleth et al.	226	2		
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DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO AL 88/03089 05/1988 PCT B32B 31/18 AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS AT			FOREIG	GN PATENT	DOCUMENTS				
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AM 1,253,062 04/1989 Canada B32B 31/08 AN 2,016,529 11/1990 Canada B32B 3/00 AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS AT	<i>a</i>	<u></u>		 		<u> </u>		YES	NO
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AO 90/11886 10/1990 PCT B31F 1/20 AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS AT		AM_	1,253,062	04/1989	Canada	1			-
AP 90/11887 10/1990 PCT B31F 1/28 OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS AT		AN	2,016,529	11/1990	Canada	B32B	3/00		
AS OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS	_	AO	90/11886	10/1990	PCT	B31F	1/20		
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FORM PTO-1 (MODIFIED)	PATENT AND TRADEMARK OFFICE		ATTY, DOCKET NO. K-C 1348	35.1	SERIAL NO.			
		PRIOR ART CITED BY APPLICAN (Use several sheets if necessary)	т	APPLICANT(S) Joseph Da	niel COEN	EN et al.		
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		U.S.	. PATENT D	OCUMENTS				
*EXAMINE INITIAL	R	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING I	
_SP	AA	4,349,997	09/1982	Hayasaka et al.	53	51		
	AB	4,392,910	07/1983	Tokuno et al.	156	361		
	AC	4,397,704	08/1983	Frick	156	201		
	AD	4,397,709	08/1983	Schwenzer	156	351		
	ΑE	4,400,230	08/1983	Wyslotsky	156	361		
	AF	4,417,935	11/1983	Spencer	156	80		
	AG	4,496,417	01/1985	Haake et al.	156	361		
	АН	4,543,141	09/1985	Bradley et al.	156	164		
	Al	4,549,917	10/1985	Jensen, Jr.	156	108		
	AJ	4,572,752	02/1986	Jensen et al.	156	64		
V	AK	4,576,663	03/1986	Bory	156	64		
		FOREI	GN PATENT	DOCUMENTS			4 · · · · · · · · · · · · · · · · · · ·	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	CLASS SUBCLASS	TRANSL	ATION
<i>a</i> 0							YES	NO
	AL	1,283,814	05/1991	Canada	A61F	13/15		
	AM	2,044,792	05/1992	Canada	G05D	005/04		
	AN	1,287,295	08/1991	Canada	B65B	9/04		
	AO	2,115,455	03/1993	Canada	E04C	002/24		
$\overline{}$	AP	2,121,140	04/1993	Canada	B32B	003/00		<u> </u>
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*EXAMINER			DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D		
SP	AA		4,610,739	09/1986	Jensen	156	64			
	АВ		4,615,695	10/1986	Cooper	604	385A			
	AC		4,662,875	05/1987	Hirotsu et al.	604	389			
	AD		4,704,171	11/1987	Thompson et al.	156	64			
	AE	<u> </u>	4,711,683	12/1987	Merkatoris	156	164			
	AF	ļ. <u></u>	4,795,513	01/1989	Jensen, Jr.	156	108			
	AG		4,819,406	04/1989	Redmond	53	51			
	АН		4,837,715	06/1989	Ungpiyakul et al.	364	552			
	Al		4,883,549	11/1989	Frost et al.	156	161			
	AJ		4,888,717	12/1989	Ditto et al.	364	559			
	AK		4,909,879	03/1990	Ball	156	164			
		· ···	FORE	GN PATENT	DOCUMENTS	···				
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81/	AL	<u> </u>	2,084,837	06/1993	Canada	B32B	003/10		-	
	AM	<u> </u>	547 497	06/1993	EPO	A61F	13/15			
	AN	ļ	589 859	03/1994	EPO	A61F	13/15			
	AO		94/08789	04/1994	PCT	B32B	31/08			
	AP	<u></u>	1,336,256	07/1995	Canada	B32B	31/18		<u> </u>	
<u> </u>	<u> </u>	1	OTHER PRIOR ART (II	ncluding Autho	or, Title, Date, Pertinent F	Pages, Etc.)			<u></u>	
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				ATTY, DOCKET NO. K-C 1348:	5.1	SERIAL NO.		
				APPLICANT(S) Joséph Daniel COENEN et al.				
		FILING DATE GROUP						
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D	DATE PRIATE
SP_	AA	4,935,087	06/1990	Gilman	156	251		
	AB	4,940,464	07/1990	Van Gompel et al.	604	396		
	AC	5,045,135	09/1991	Meissner et al.	156	64		
	AD	5,094,708	03/1992	Bechtel et al.	156	351		
	AE	5,162,066	11/1992 .	Martensson et al.	156	163		
	AF	5,185,055	02/1993	Temple et al.	156	630		
	AG	5,200,020	04/1993	Collins et al.	156	520		
	АН	5,221,058	06/1993	Fillis	242	57.1		
	ΑI	5,235,515	08/1993	Ungpiyakul et al.	364	469		
	AJ	5,269,123	12/1993	Marchesini	53	559		
	AK	5,304,272	04/1994	Rohrbacker et al.	156	209		
		FOREIG	N PATEN	DOCUMENTS				
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(3/)	. 	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
SP	AL	737 638	10/1996	EPO	B65H	23/188		
	AM	95/18590	07/1995	PCT	A61F	13/15		
	AN	97/24094	07/1997	PCT	A61F	13/15		
	AO	97/24283	07/1997	PCT	B65H	39/16		
	AP	98/21134	05/1998	PCT	B65H	39/14		
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FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY, DOCKET NO.		SERIAL NO.		
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D	
CP	AA	5,359,525	10/1994	Weyenberg	364	469		
(АВ	5,366,791	11/1994	Carr et al.	428	195		
	AC	5,383,988	01/1995	Herrmann et al.	156	64		
	AD	5,389,093	02/1995	Howell	604	361		
	AE	5,470,411	11/1995	Gloton et al.	156	64		
	AF	5,483,893	01/1996	Isaac et al.	101	485		
	AG	5,492,591	02/1996	Herrmann et al.	156	538		
	АН	5,575,782	11/1996	Hasse et al.	604	385.1		
	Al	5,591,152	01/1997	Buell et al.	604	385.2		
	AJ	5,766,389	06/1998	Brandon et al.	156	64	<u></u>	
V	AK	5,818,719	10/1998	Brandon et al.	364	469.04	<u> </u>	
		FOR	EIGN PATENT	T DOCUMENTS			,	
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	(t	Jse several sheets if necessary)		Joseph Dai	niel COEN	EN et al.		
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80	AA	5,930,139	07/1999	Chapdelaine et al.	364	468.25	<u> </u>	·
	A8	5,932,039	08/1999	Popp et al.	156	64		
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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USCOMM-Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER